

FIG. 1

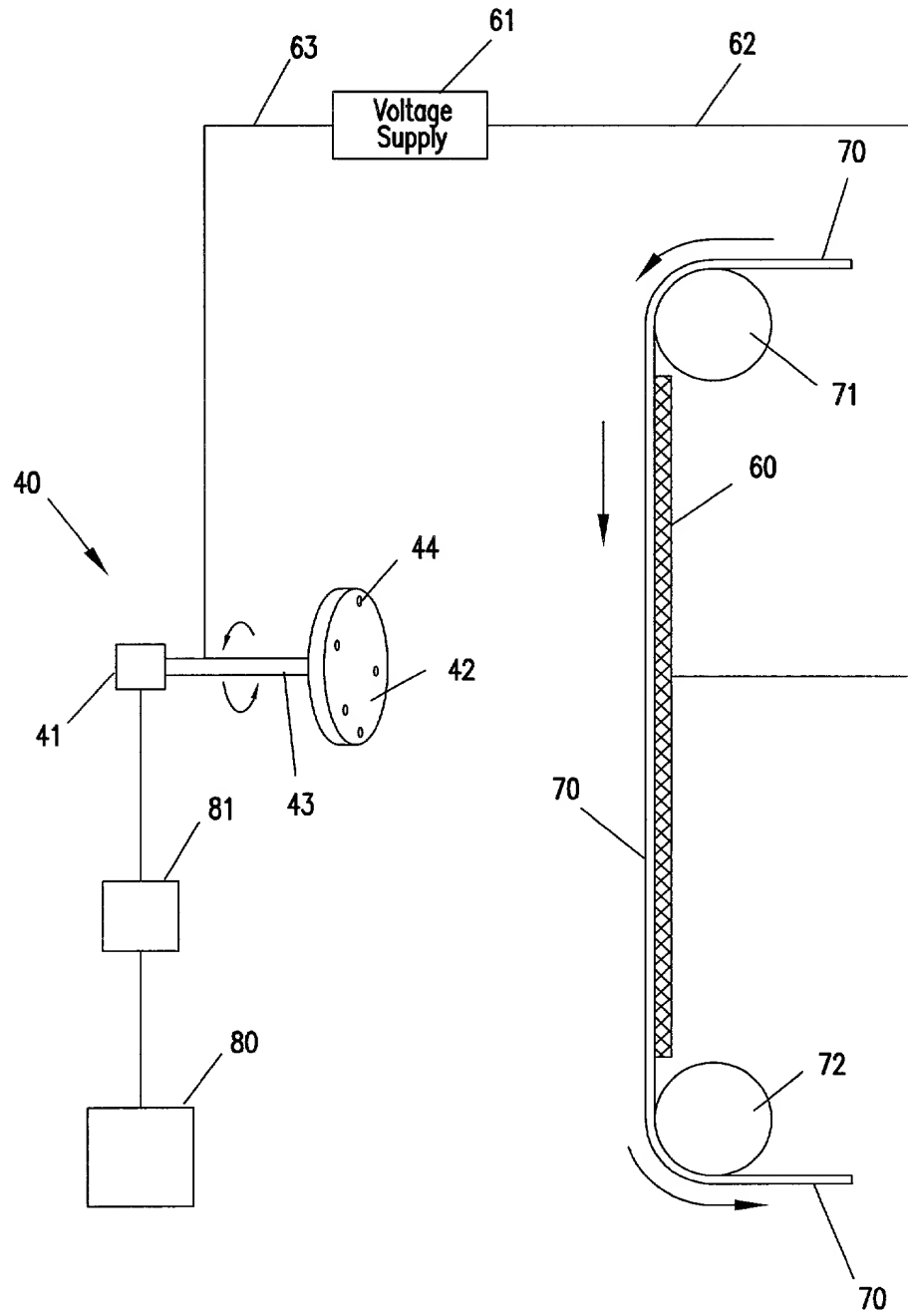


FIG. 2

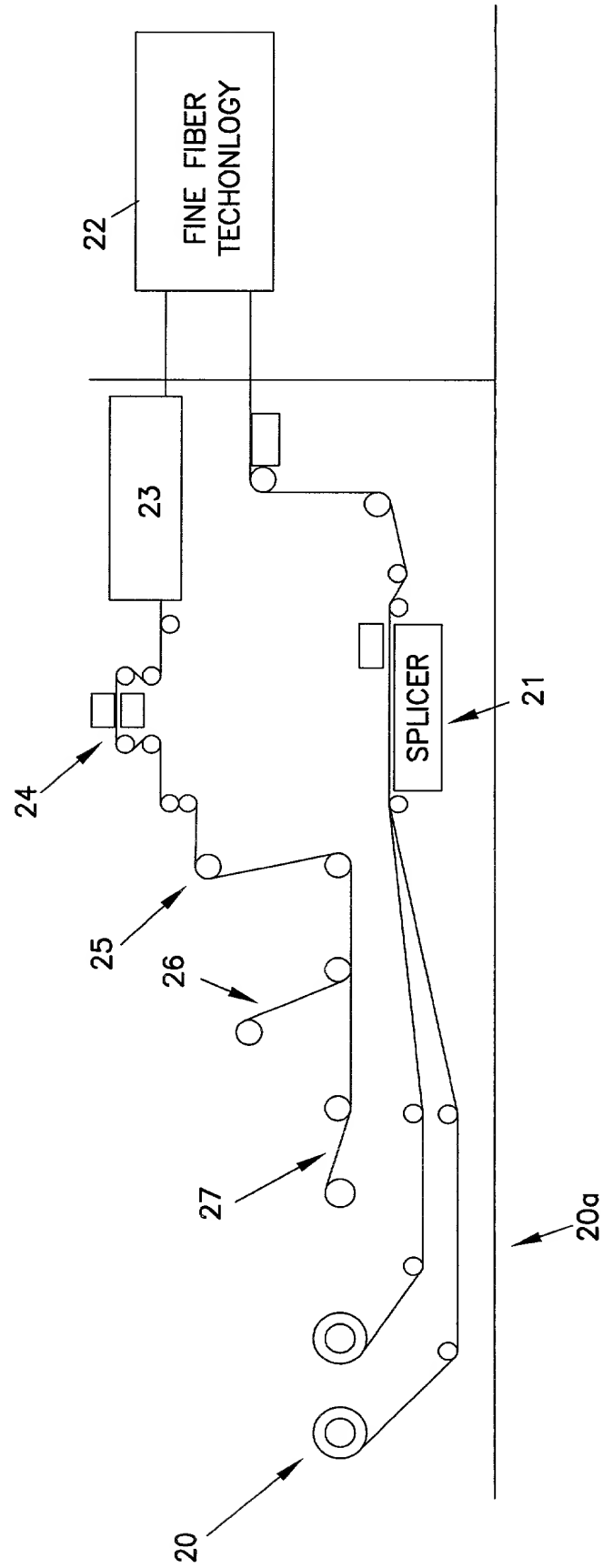
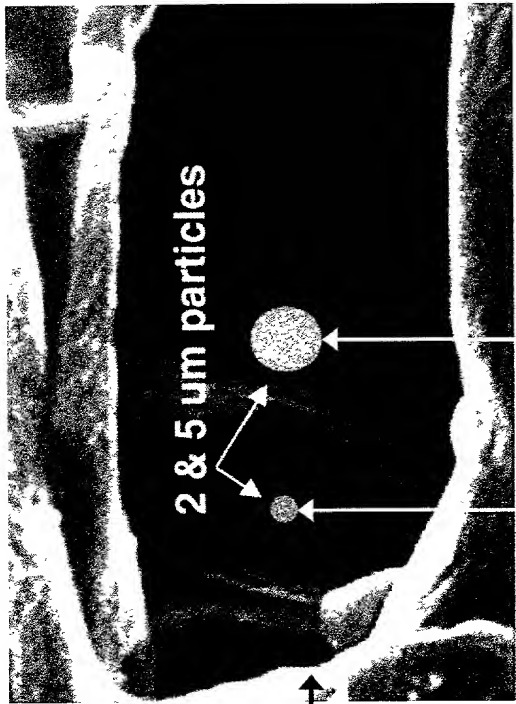


FIG. 3A

Cellulose Media



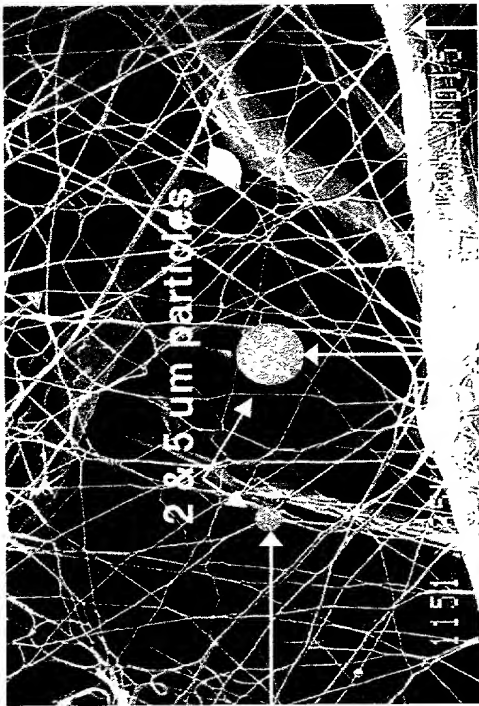
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FIG. 3B

Ultra-Web



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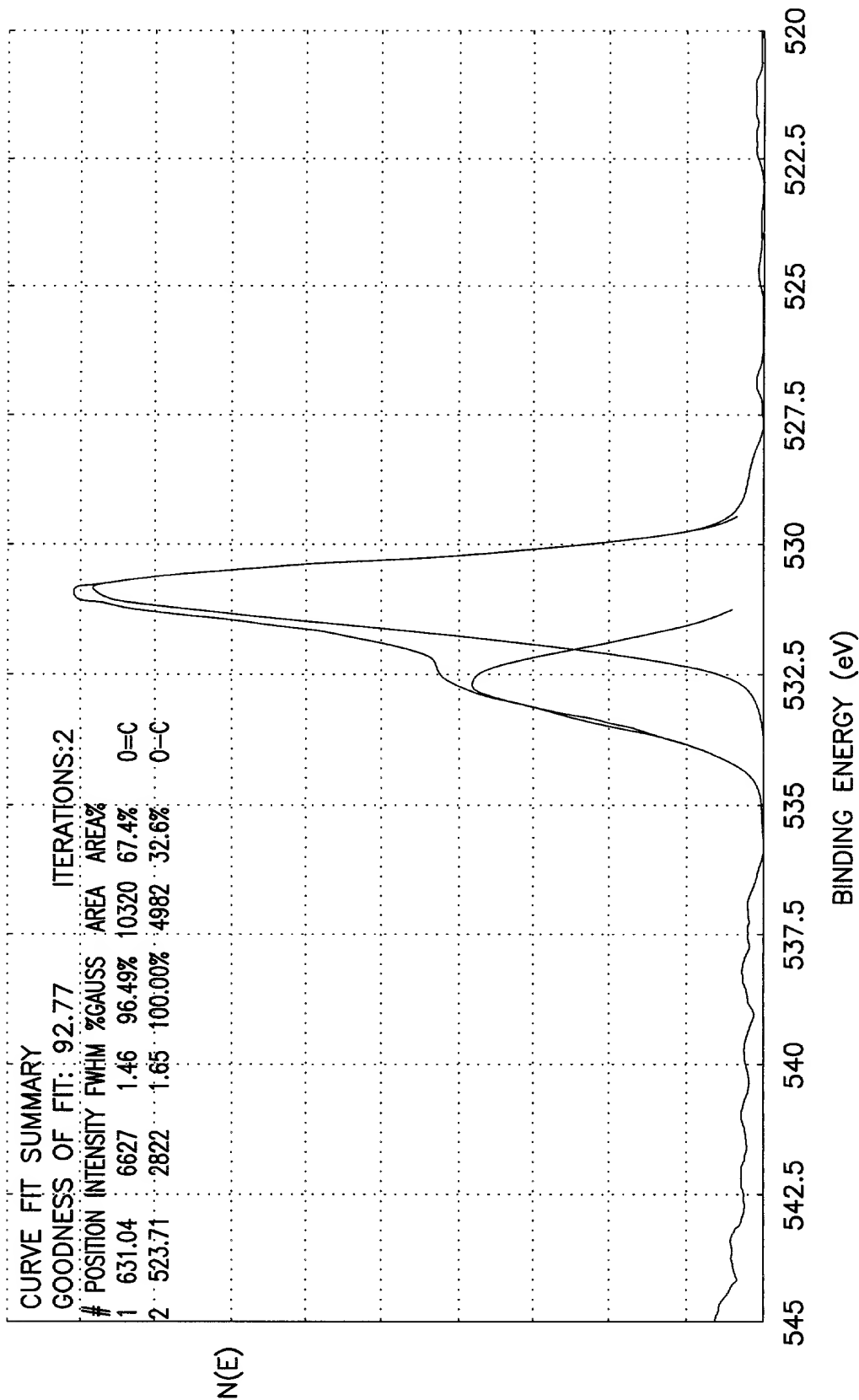
32

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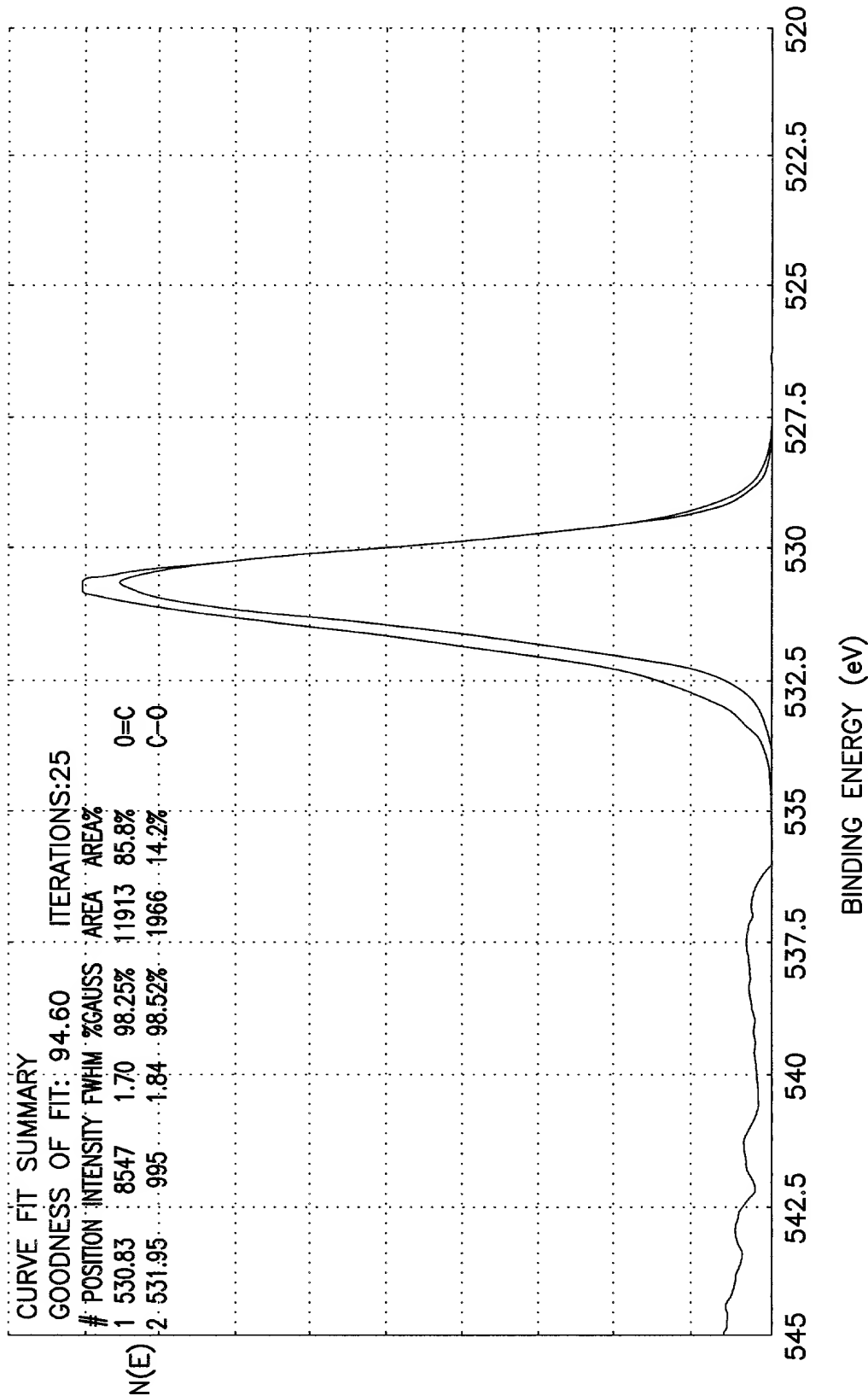
2,000 X Scanning Electron Microscope Images

FIG.4

ESCA O1s SPECTRA FOR SAMPLE 6A AS SPAN

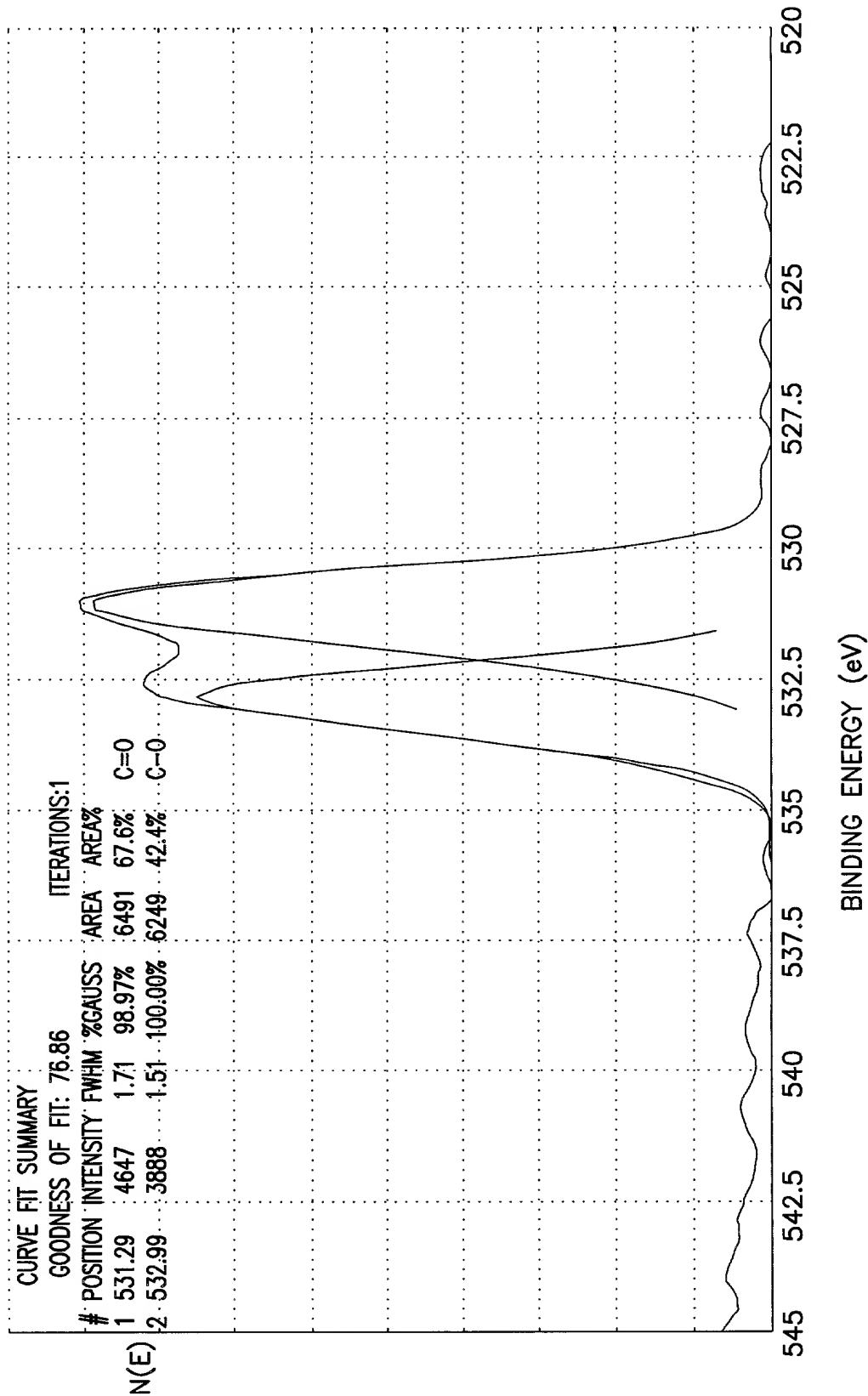


ESCA O1s SPECTRA FOR HEAT-TREATED SAMPLE 6A



ESCA O1s SPECTRA FOR AS-SPAN EXAMPLE 6B

FIG.6



ESCA O1s SPECTRA FOR HEAT-TREATED EXAMPLE 6B

FIG. 7

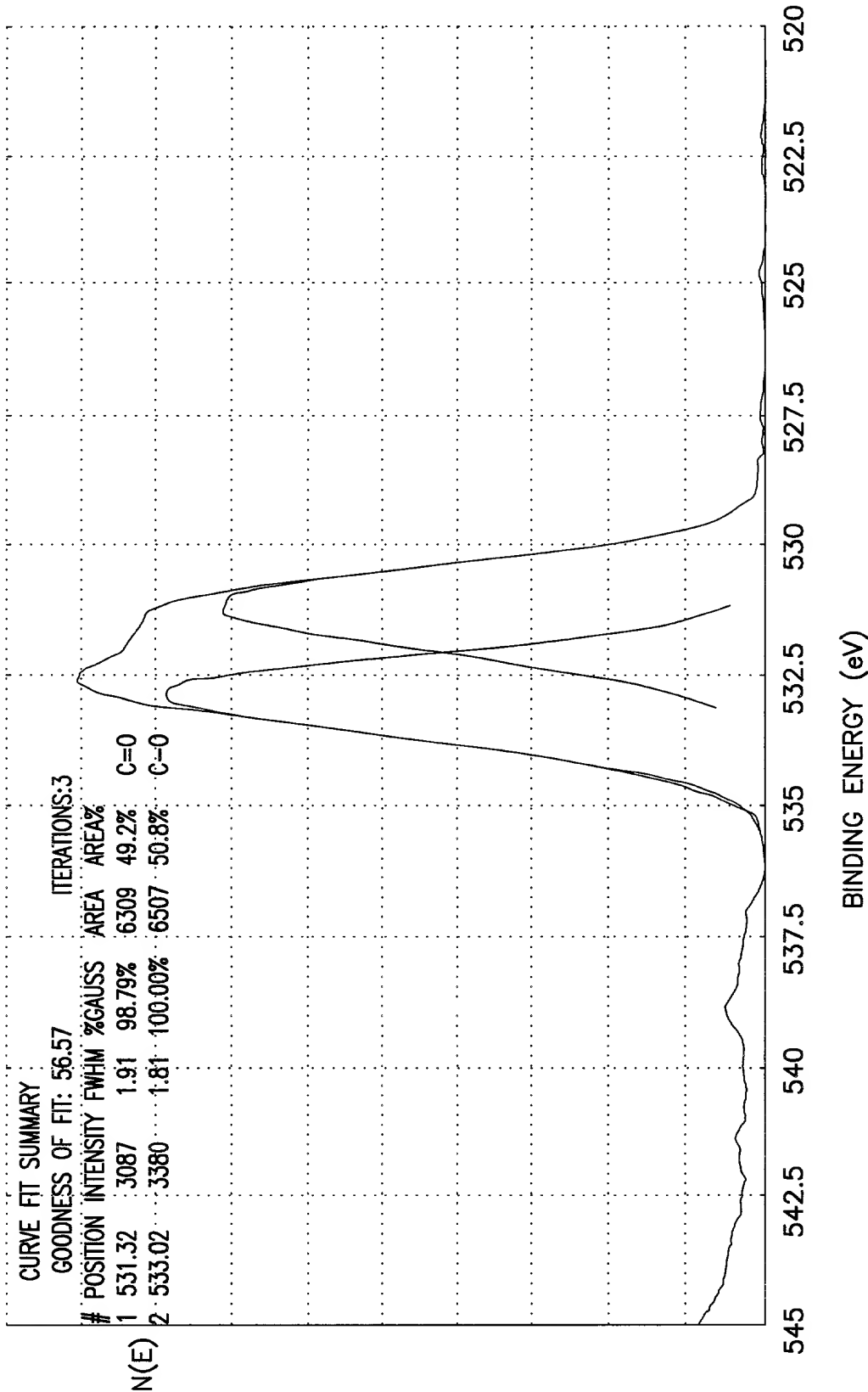
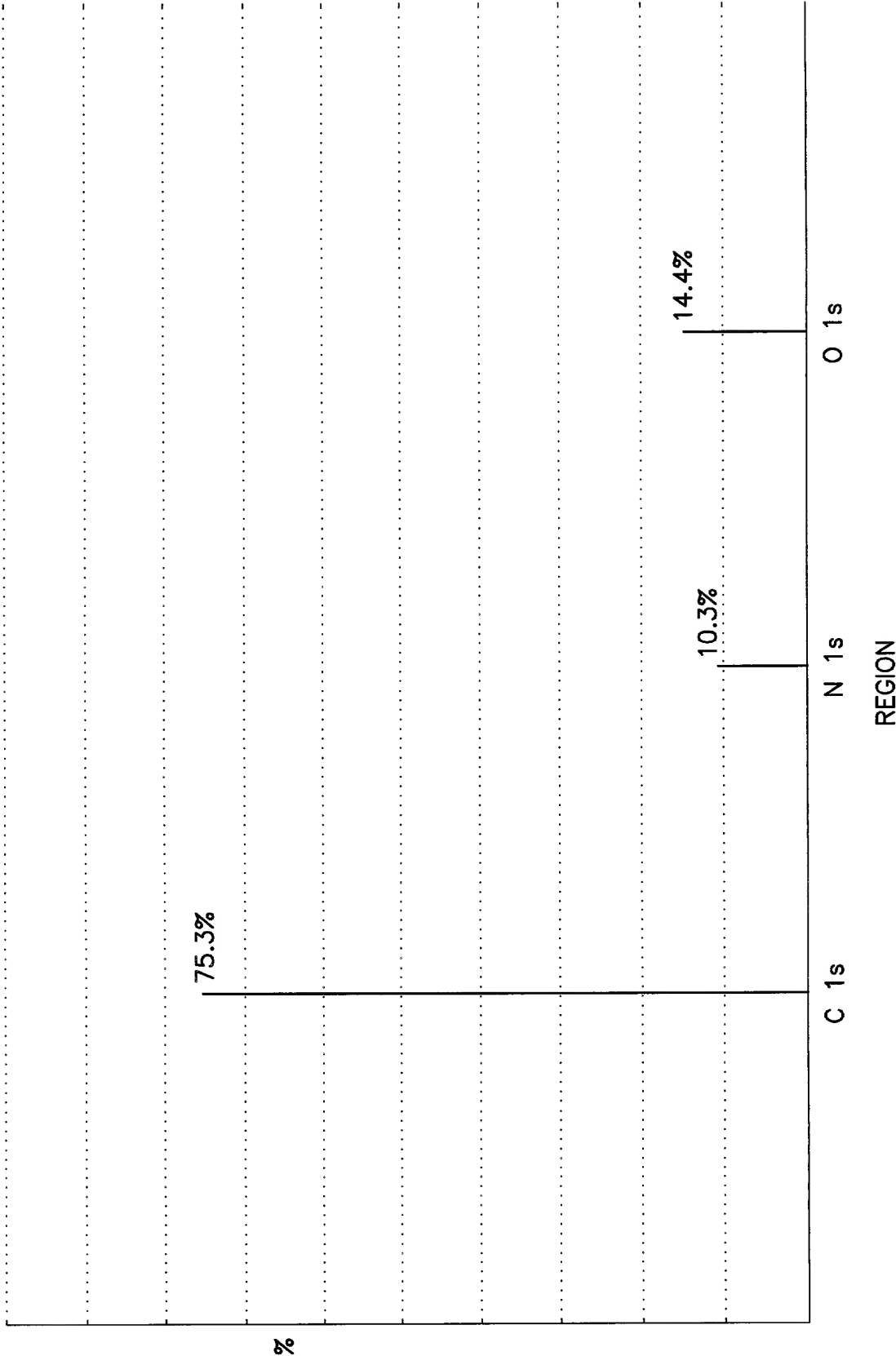
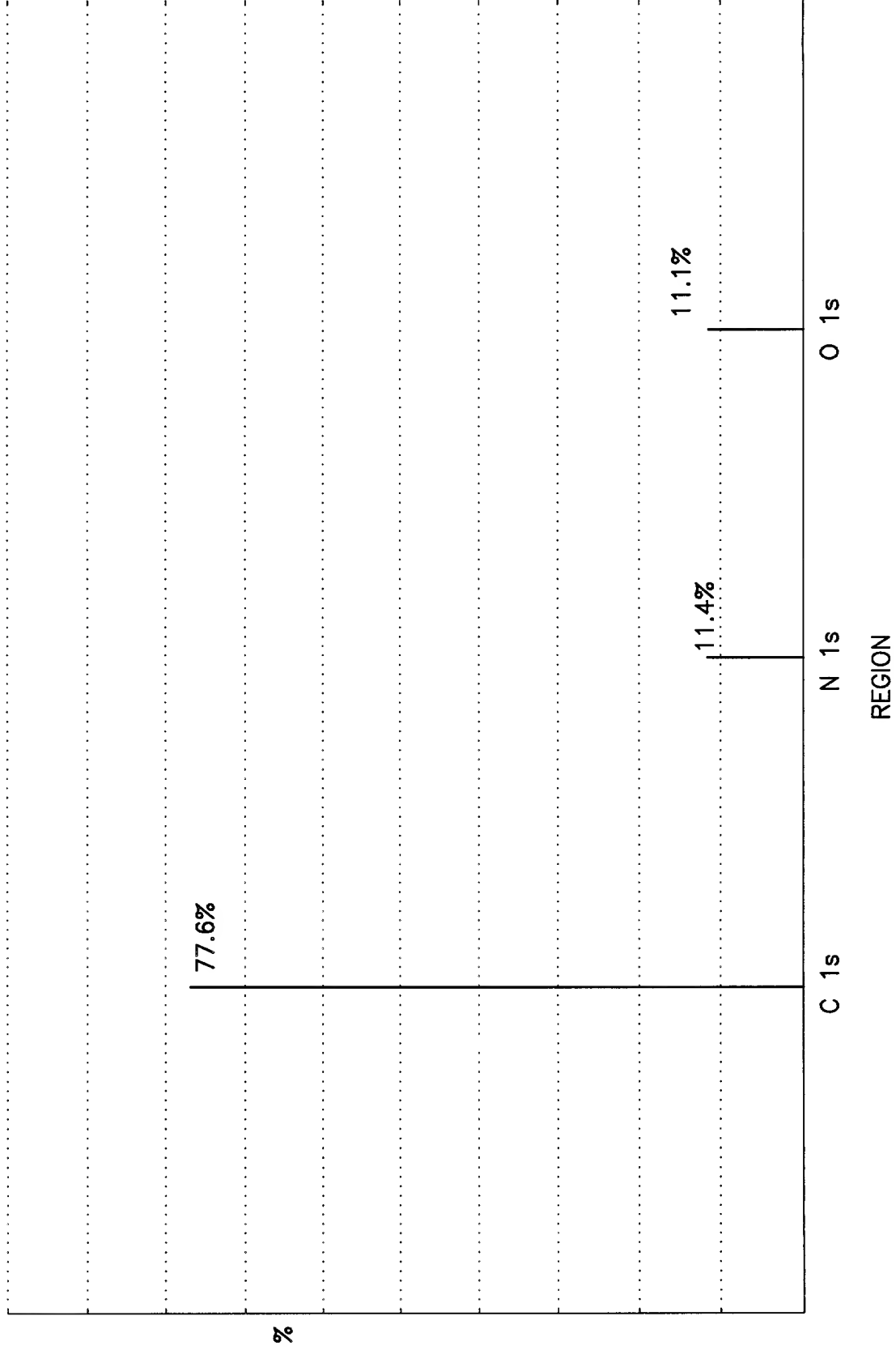


FIG.8

ESCA 01s MULTIPLEX FOR AS-SPUN SAMPLE 6A

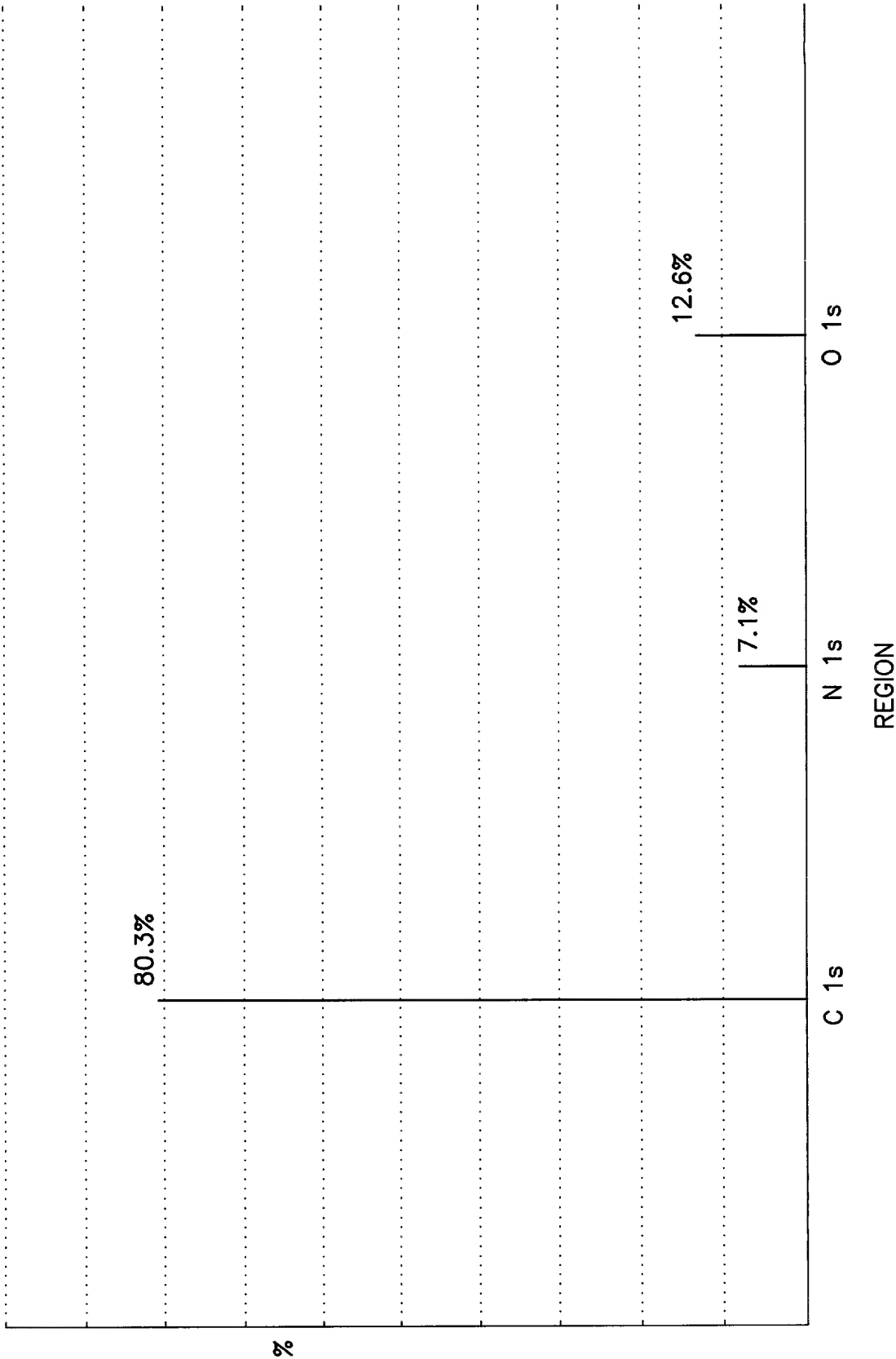


ESCA 01s MULTIPLEX FOR HEAT TREATED SAMPLE 6A



ESCA 01s MULTIPLEX FOR AS-SPIN SAMPLE 6B

FIG.10



ESCA 01s MULTIPLEX FOR HEAT-TREATED SAMPLE 6B

FIG.11

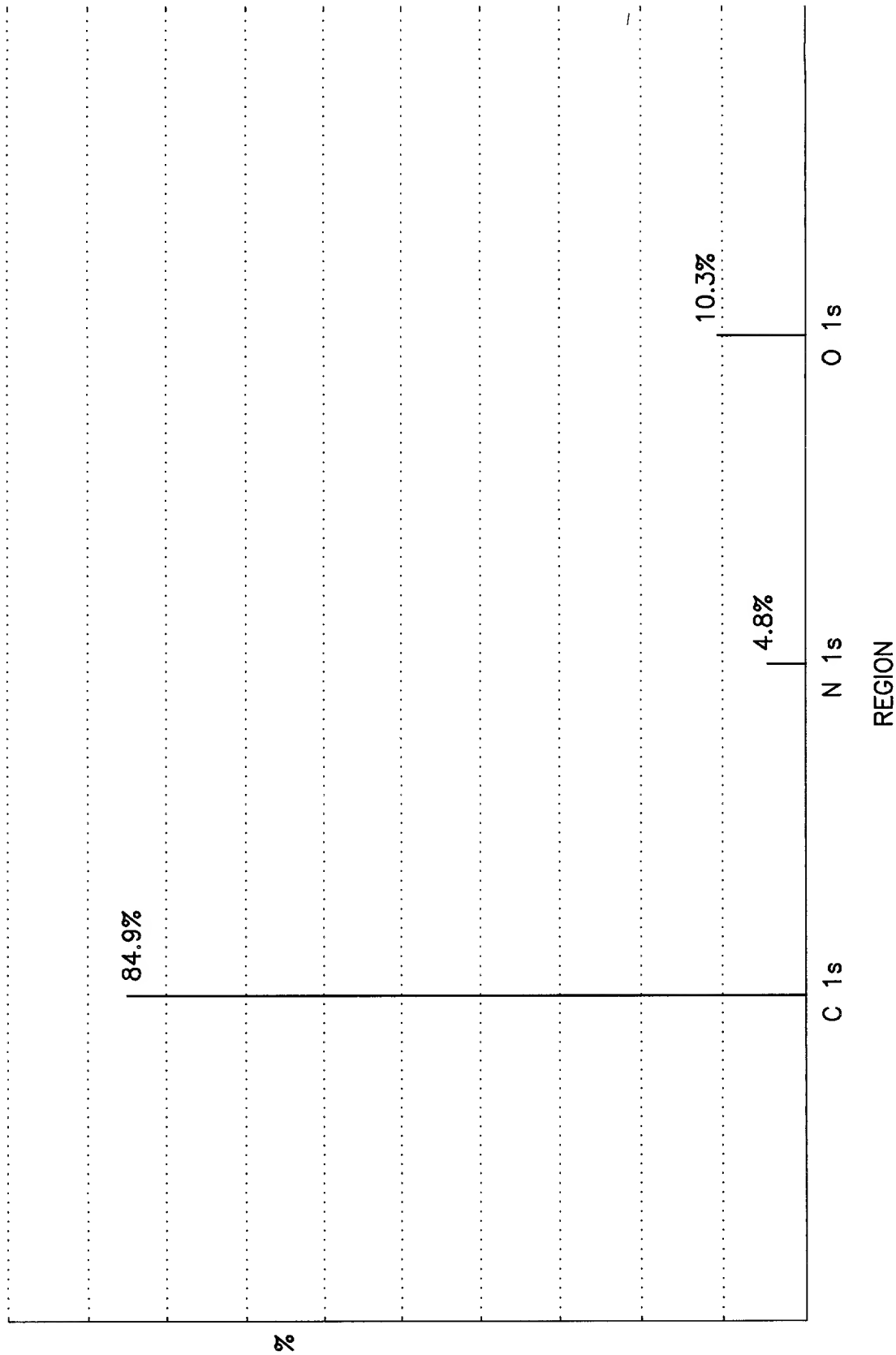


FIG. 11

FIG. 12

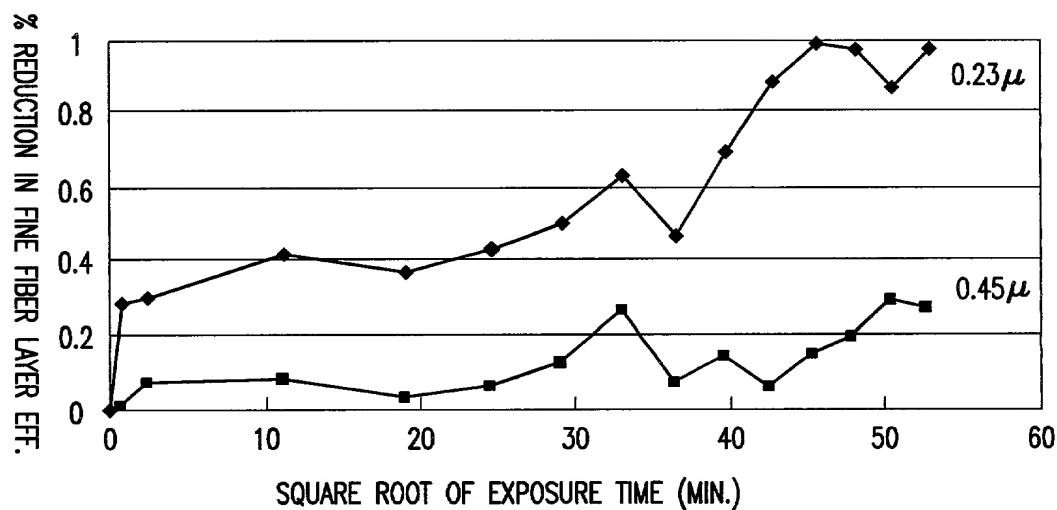


FIG. 13

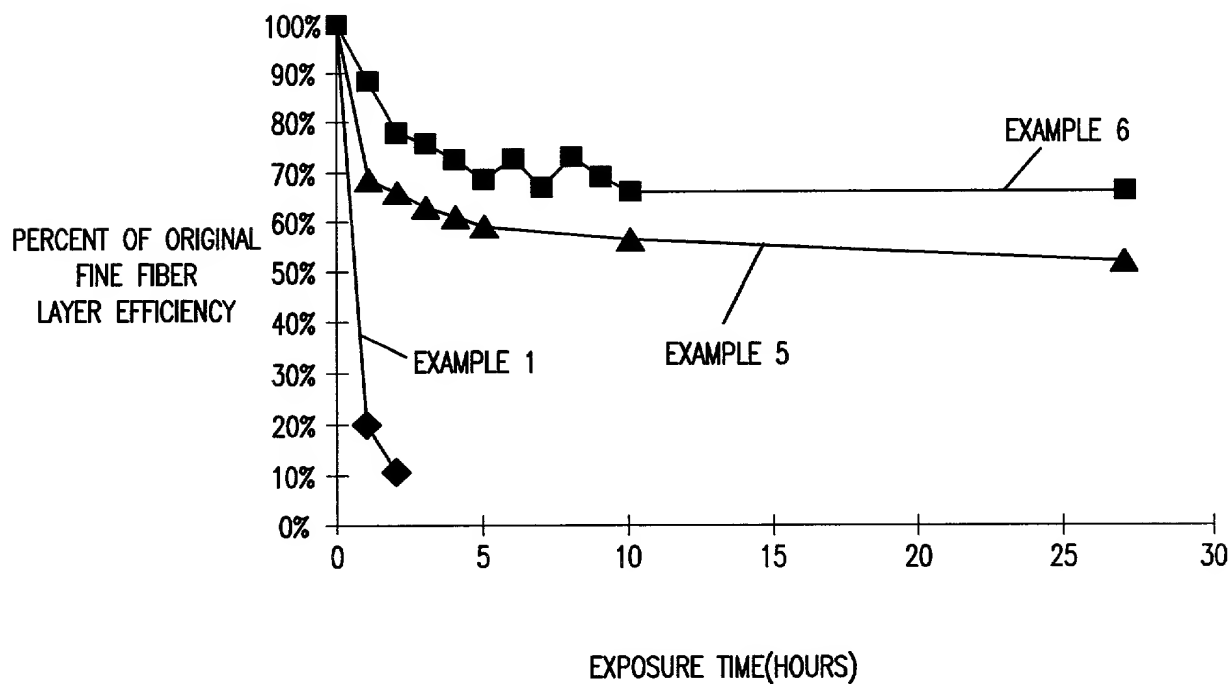


FIG.14

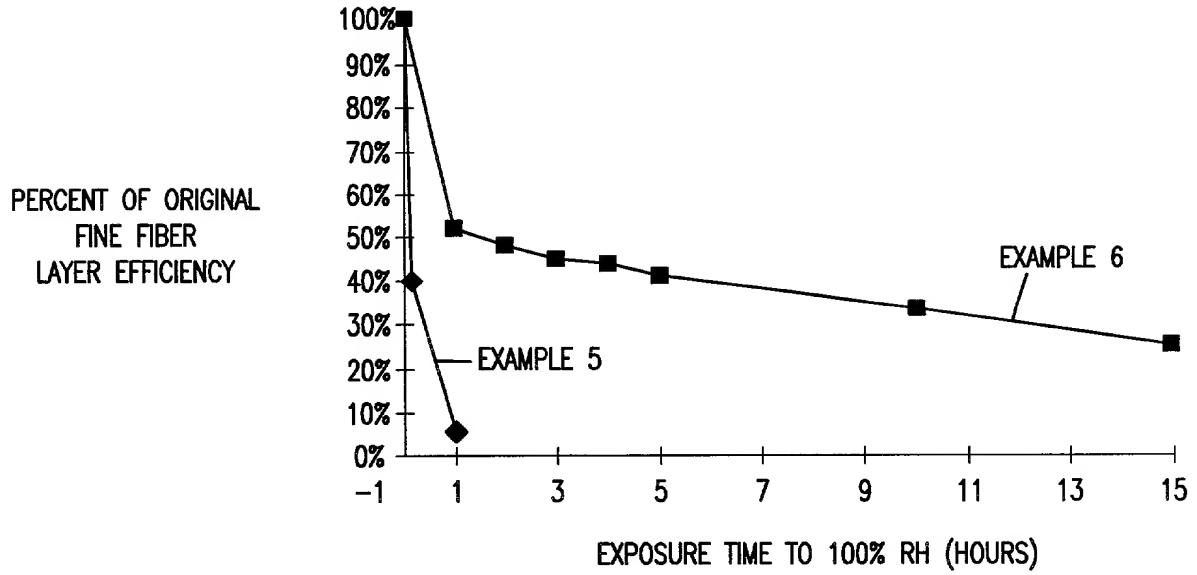


FIG.15

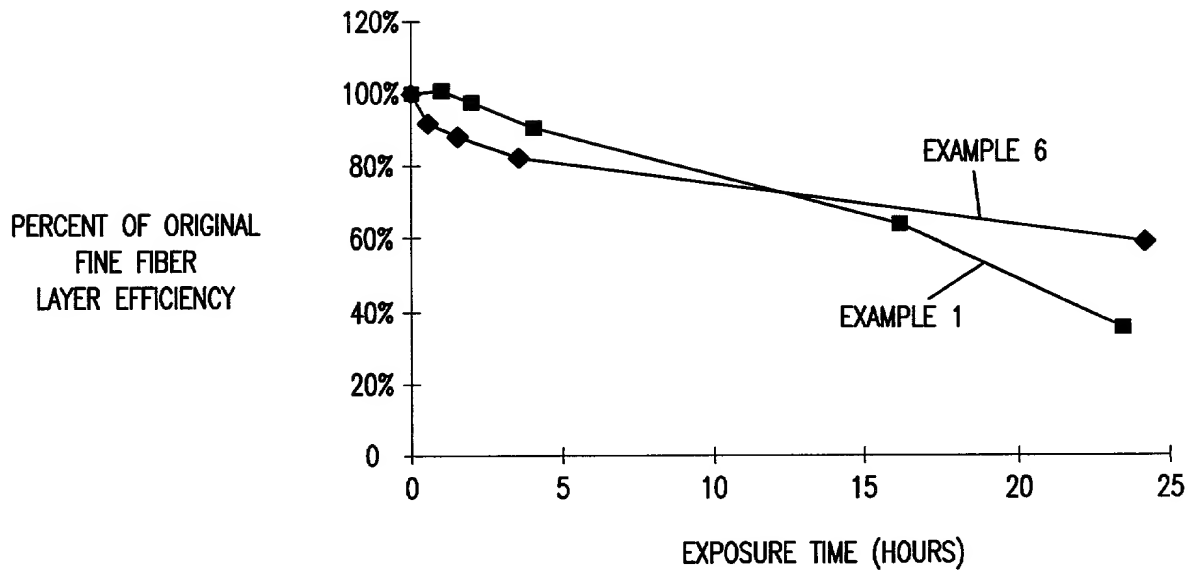


FIG.16

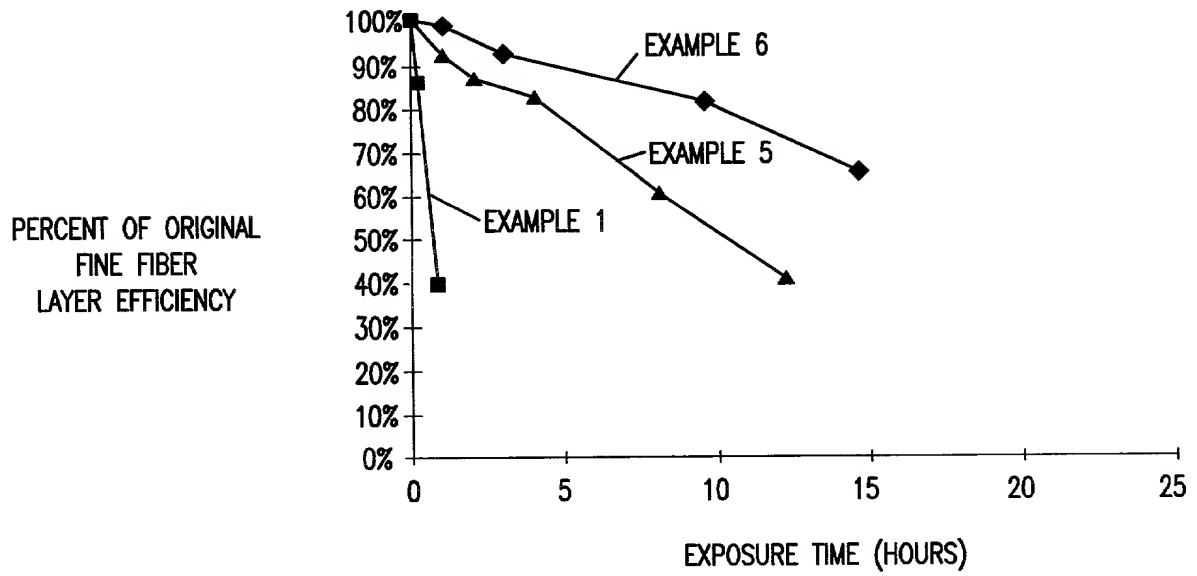
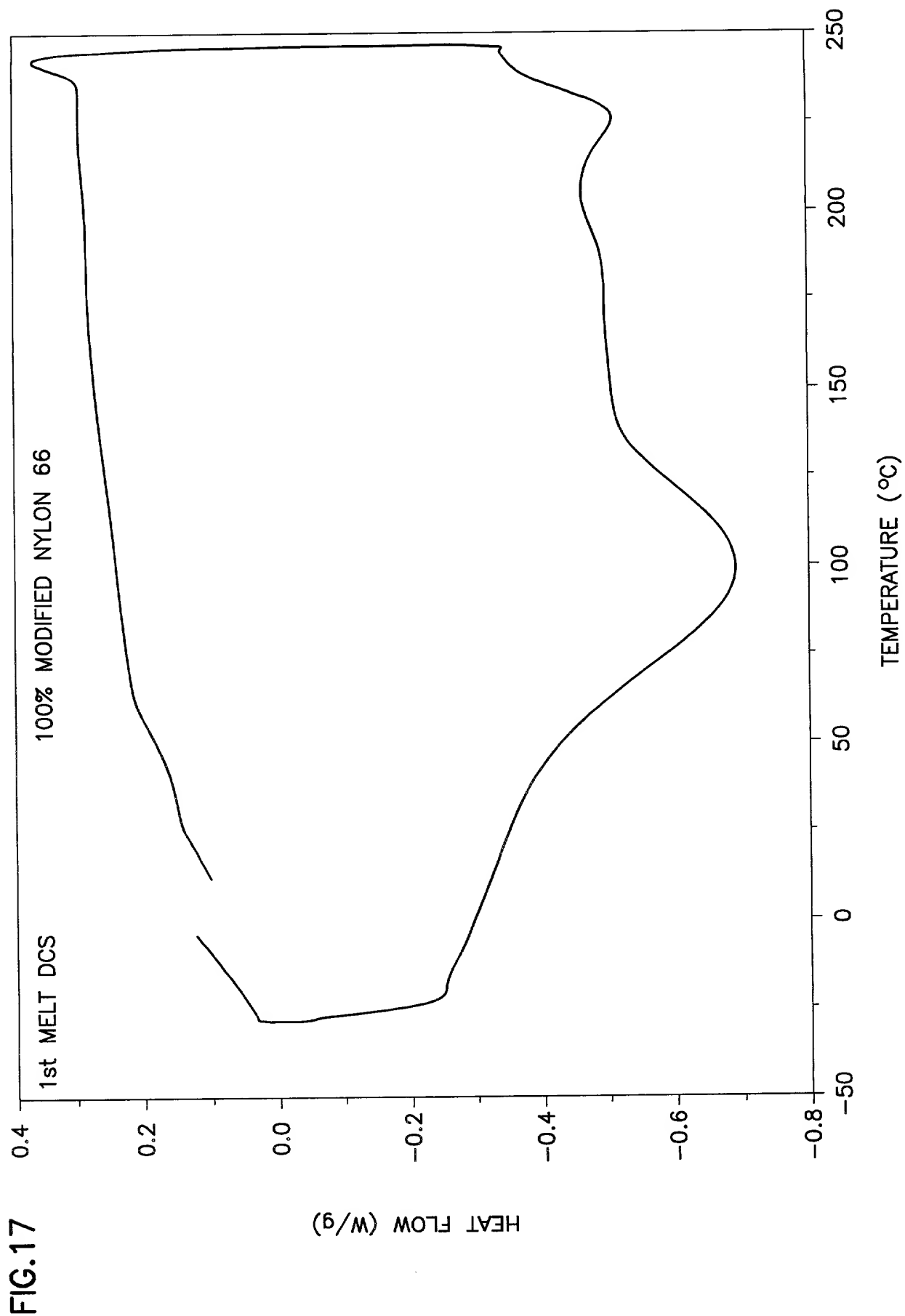
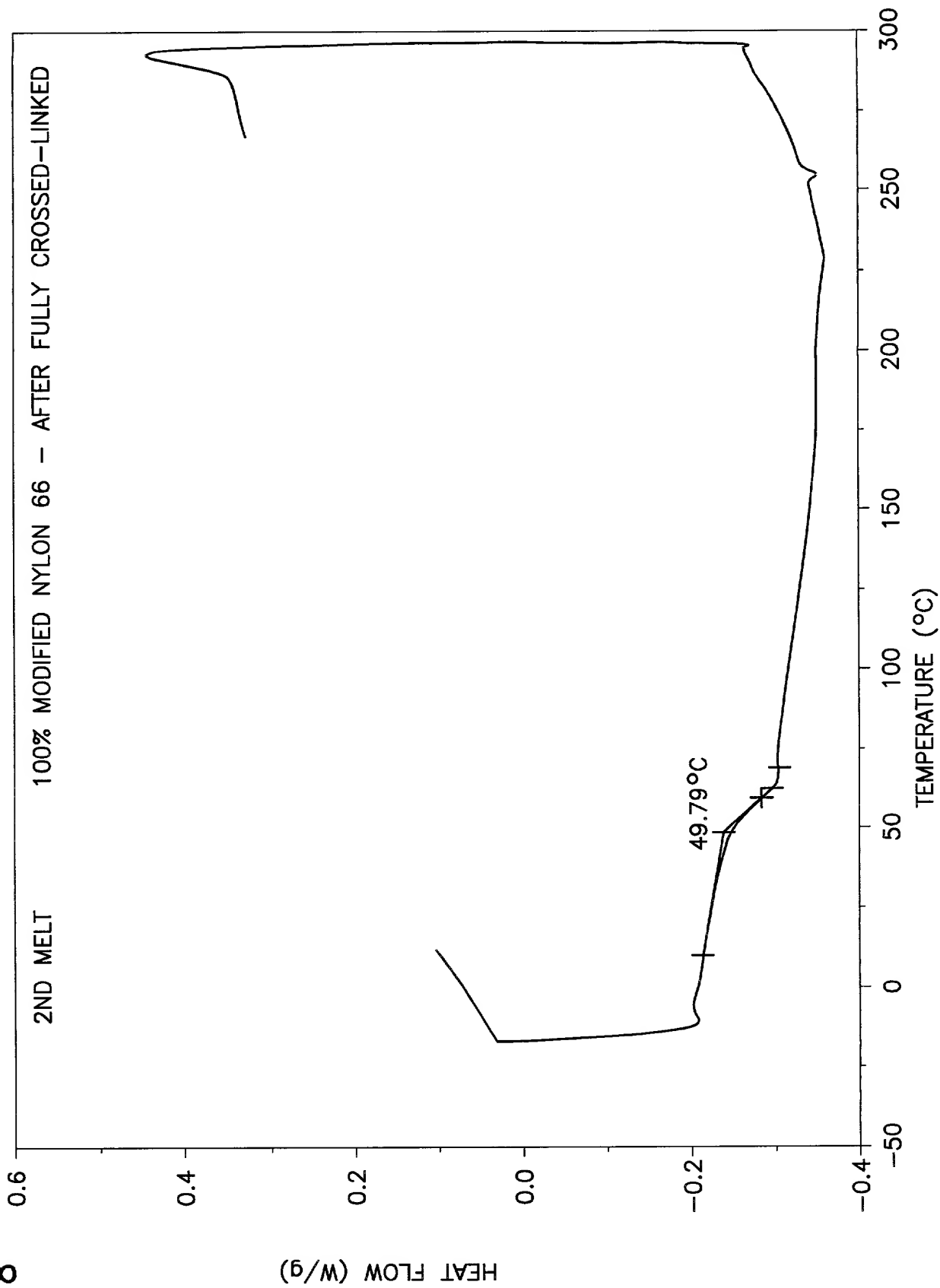


FIG. 16



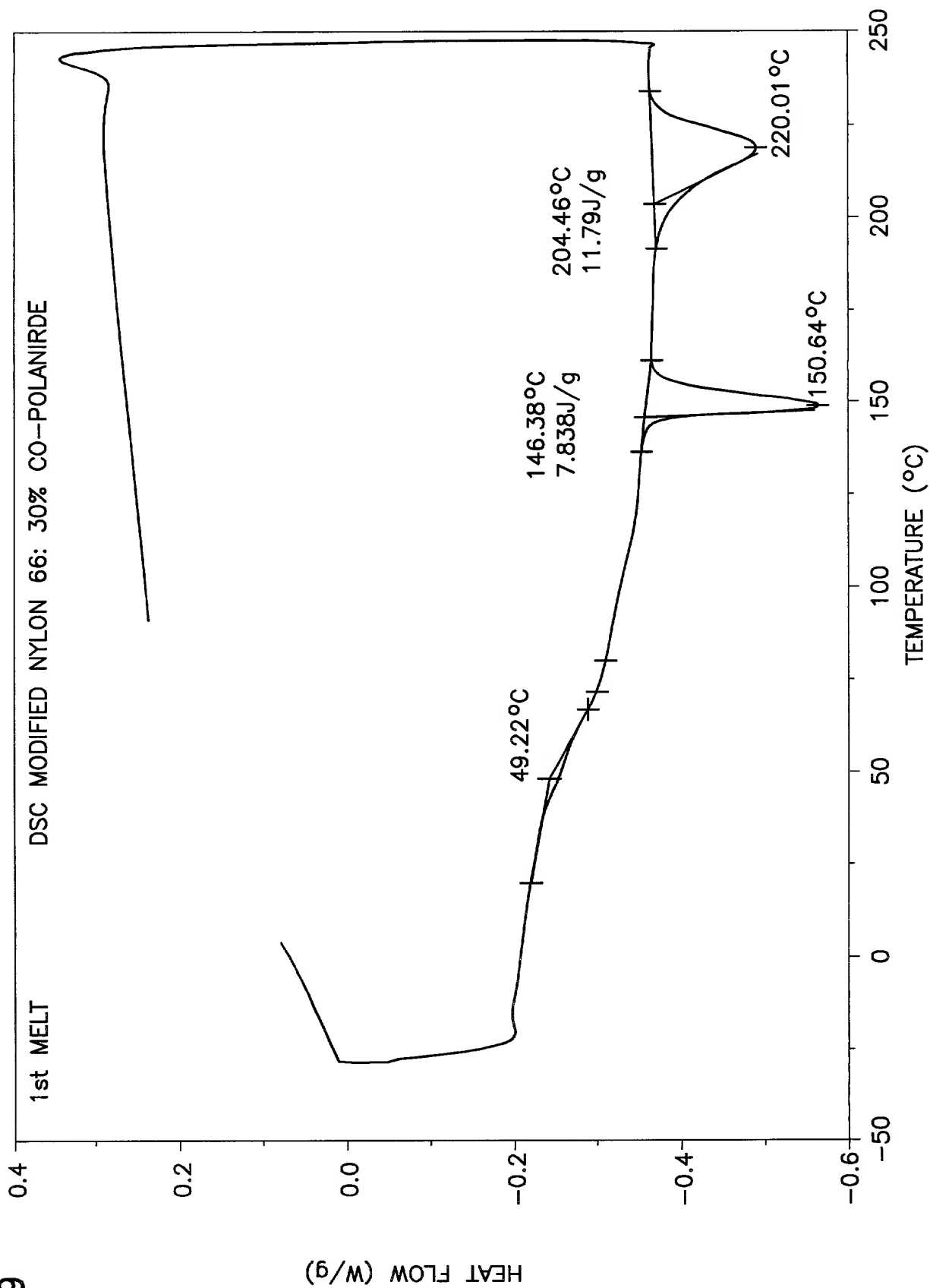
TOP SECRET

FIG.18



100% MODIFIED NYLON 66 - AFTER FULLY CROSSED-LINKED

FIG.19



TOP SECRET

FIG. 19A

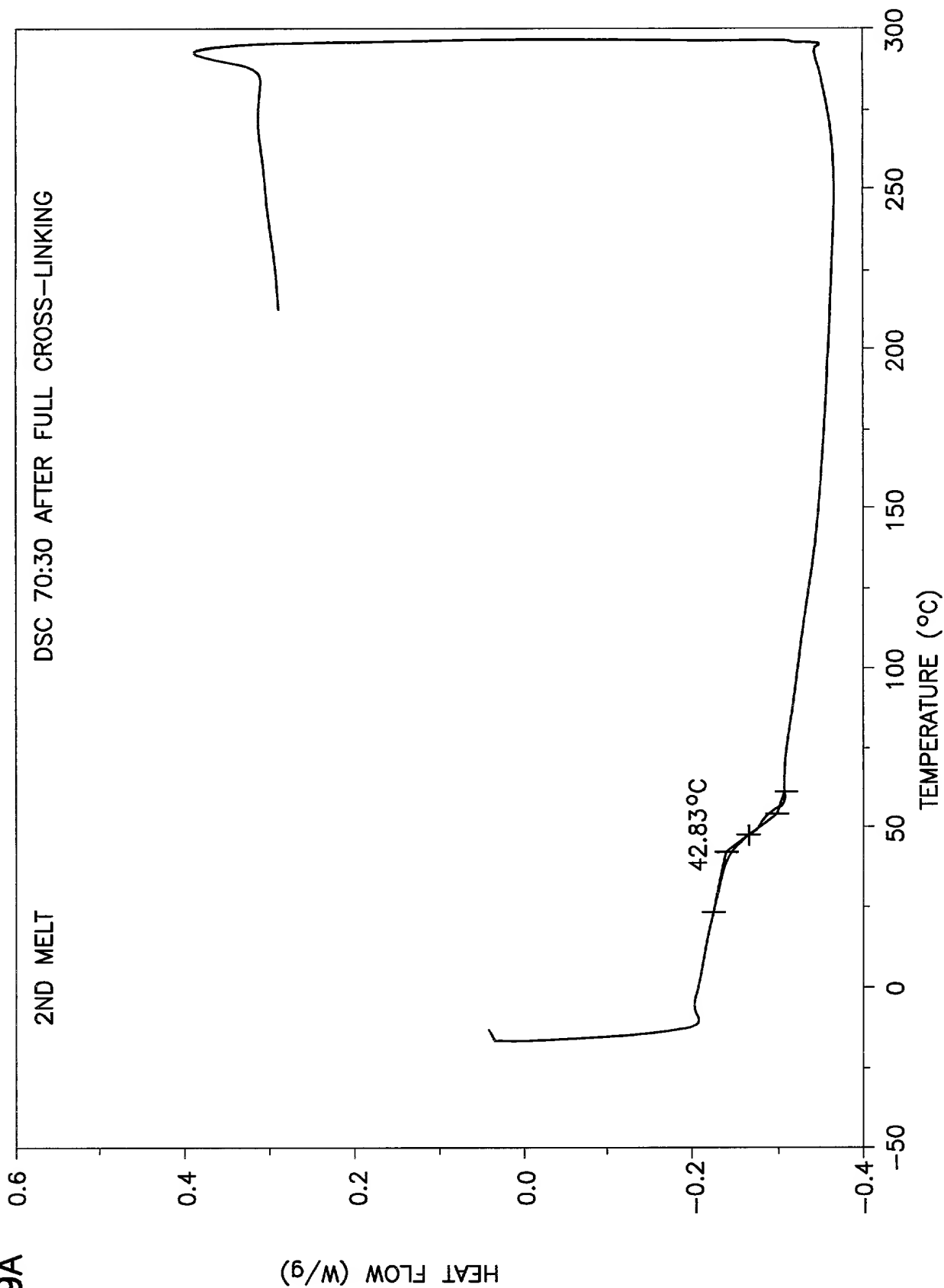


FIG. 19A

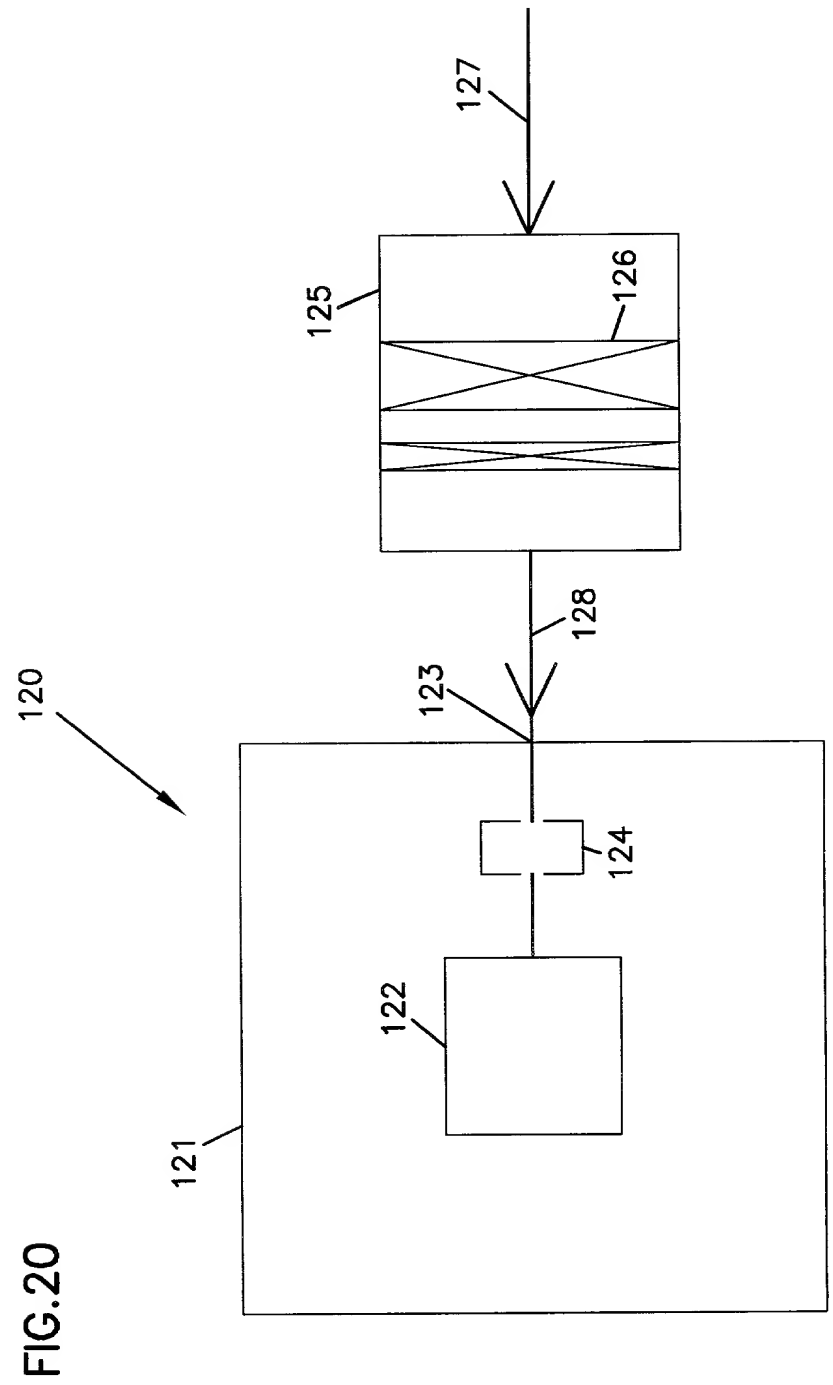


FIG. 20

FIG.23

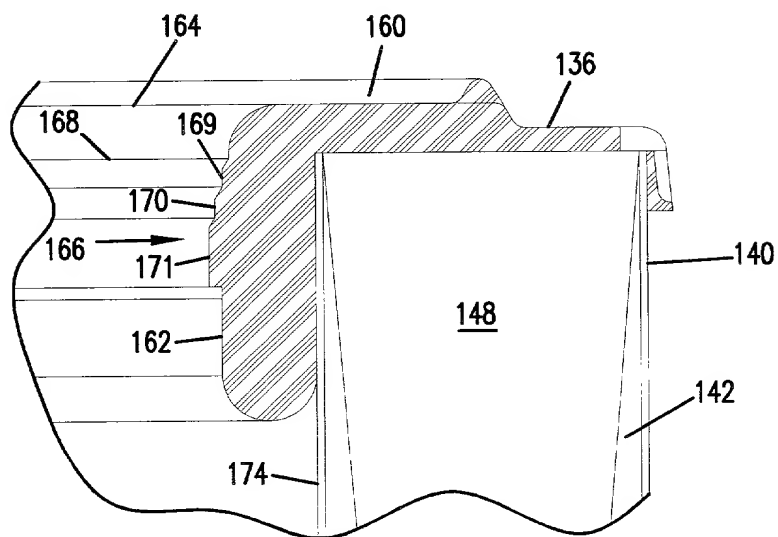


FIG.21

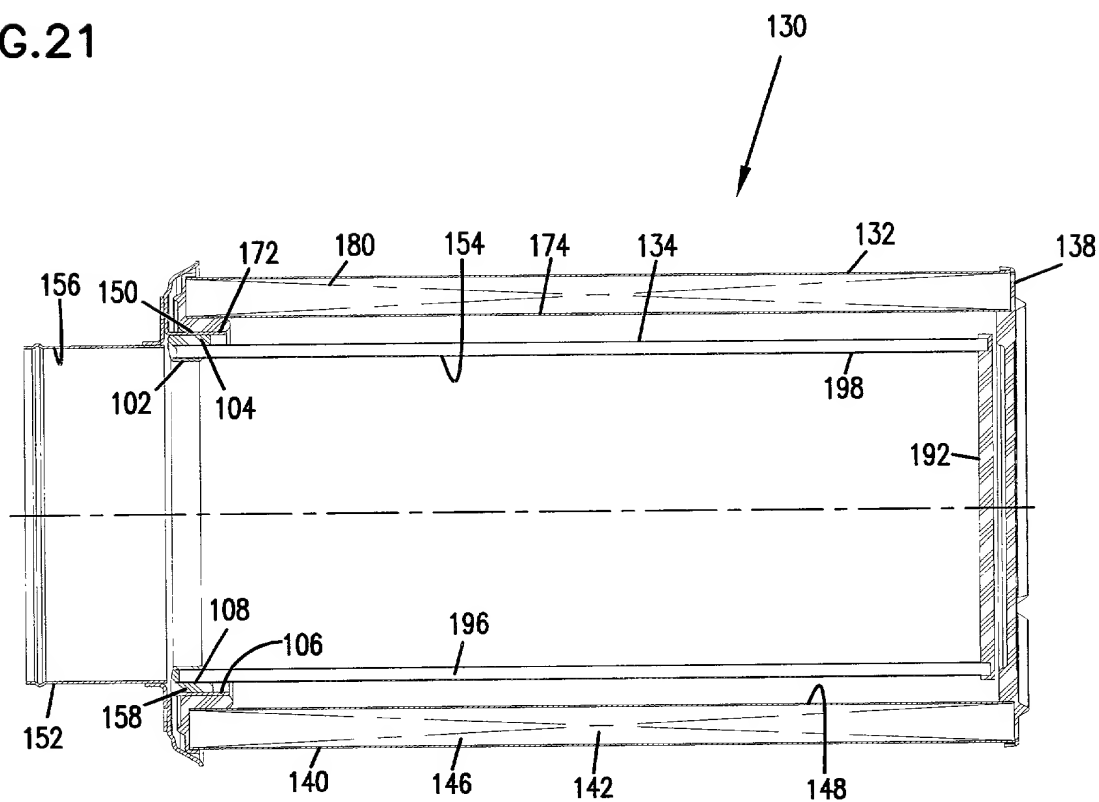


FIG.24

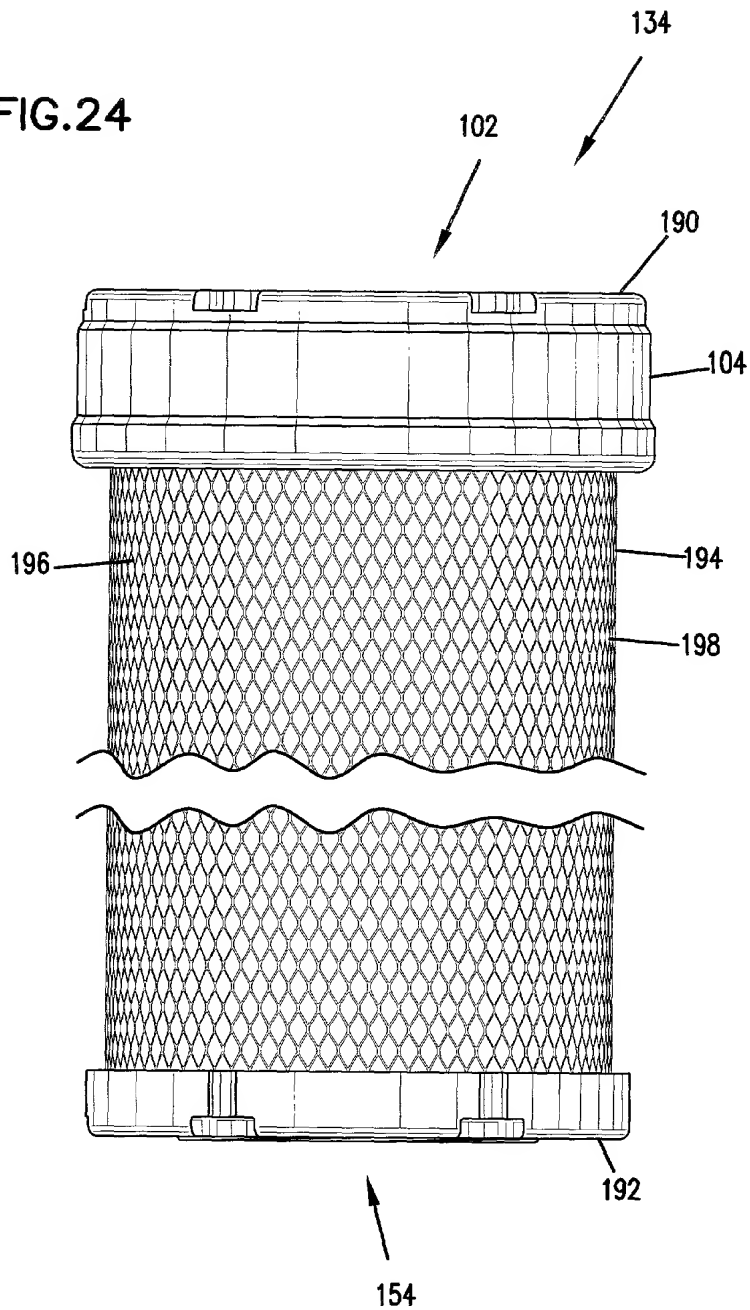


FIG.25

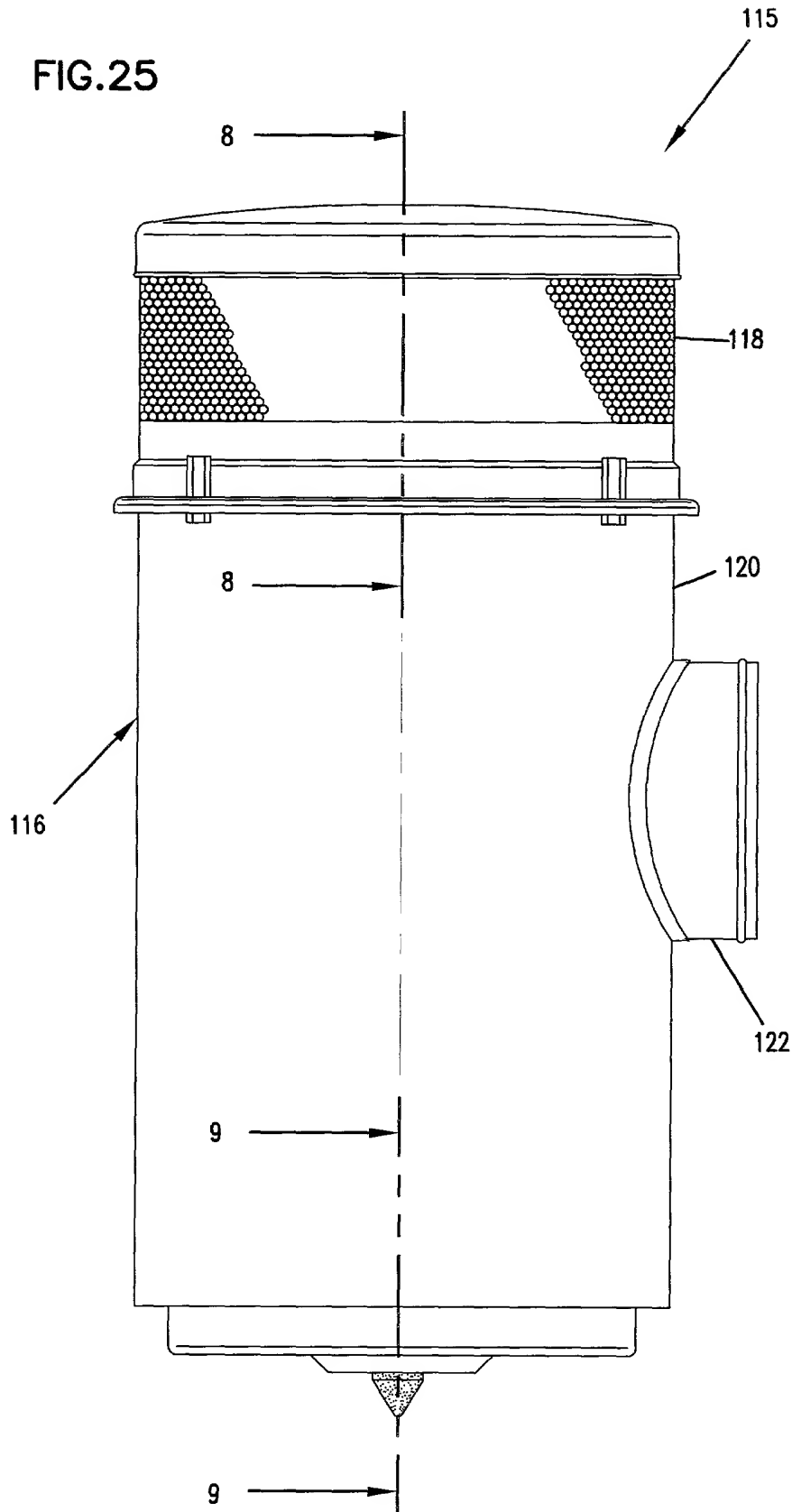


FIG.26

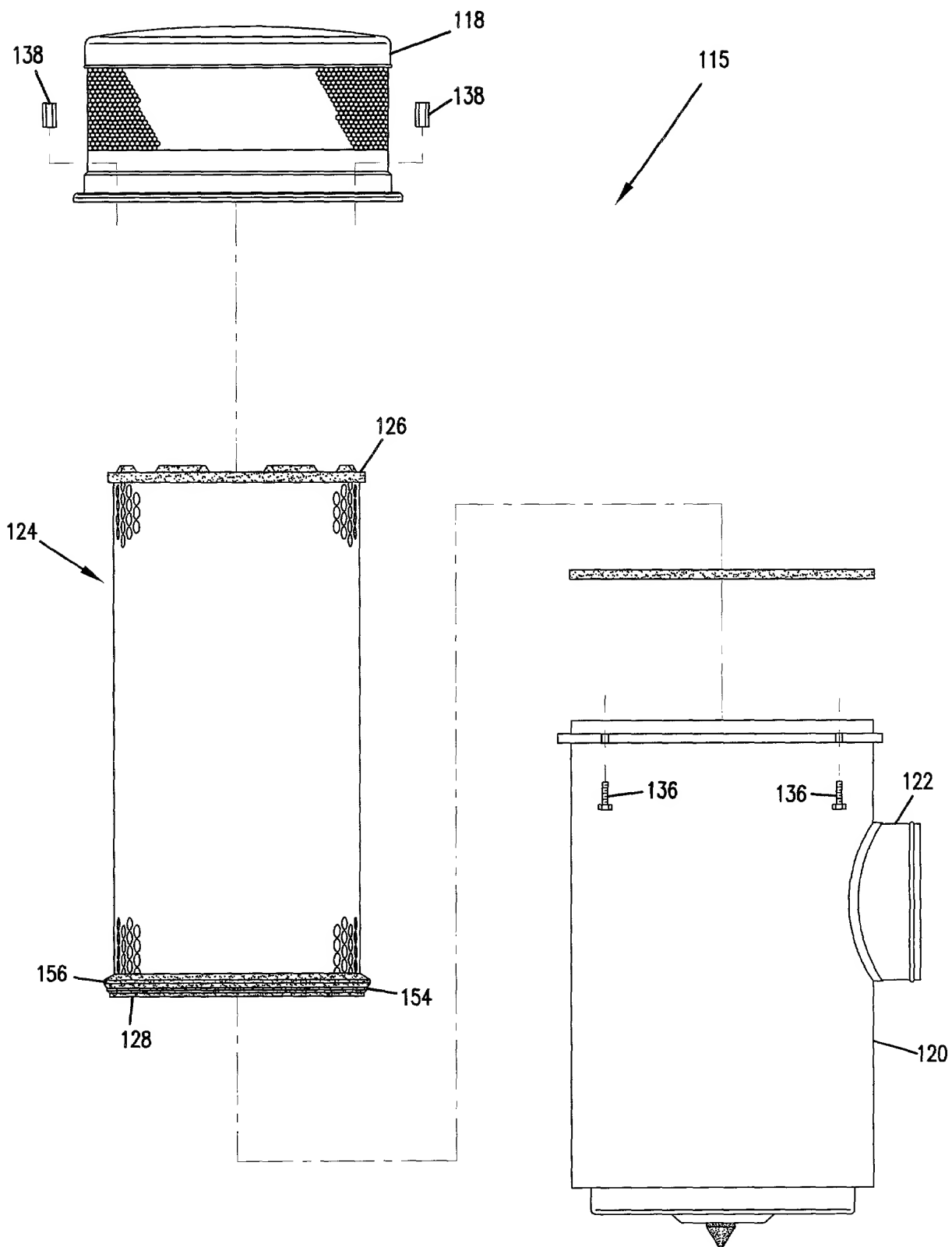


FIG.27

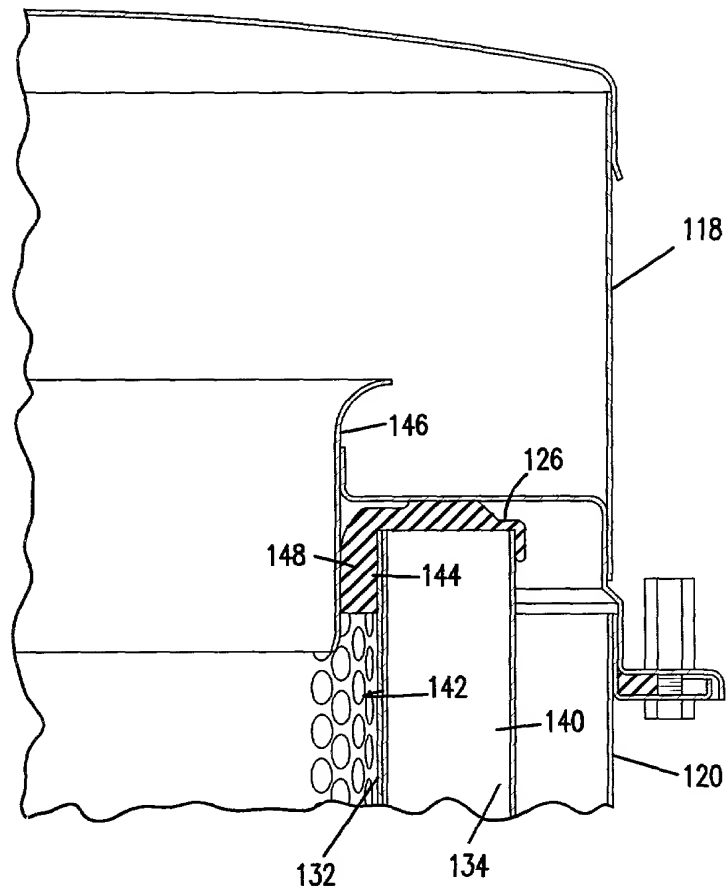


FIG.28

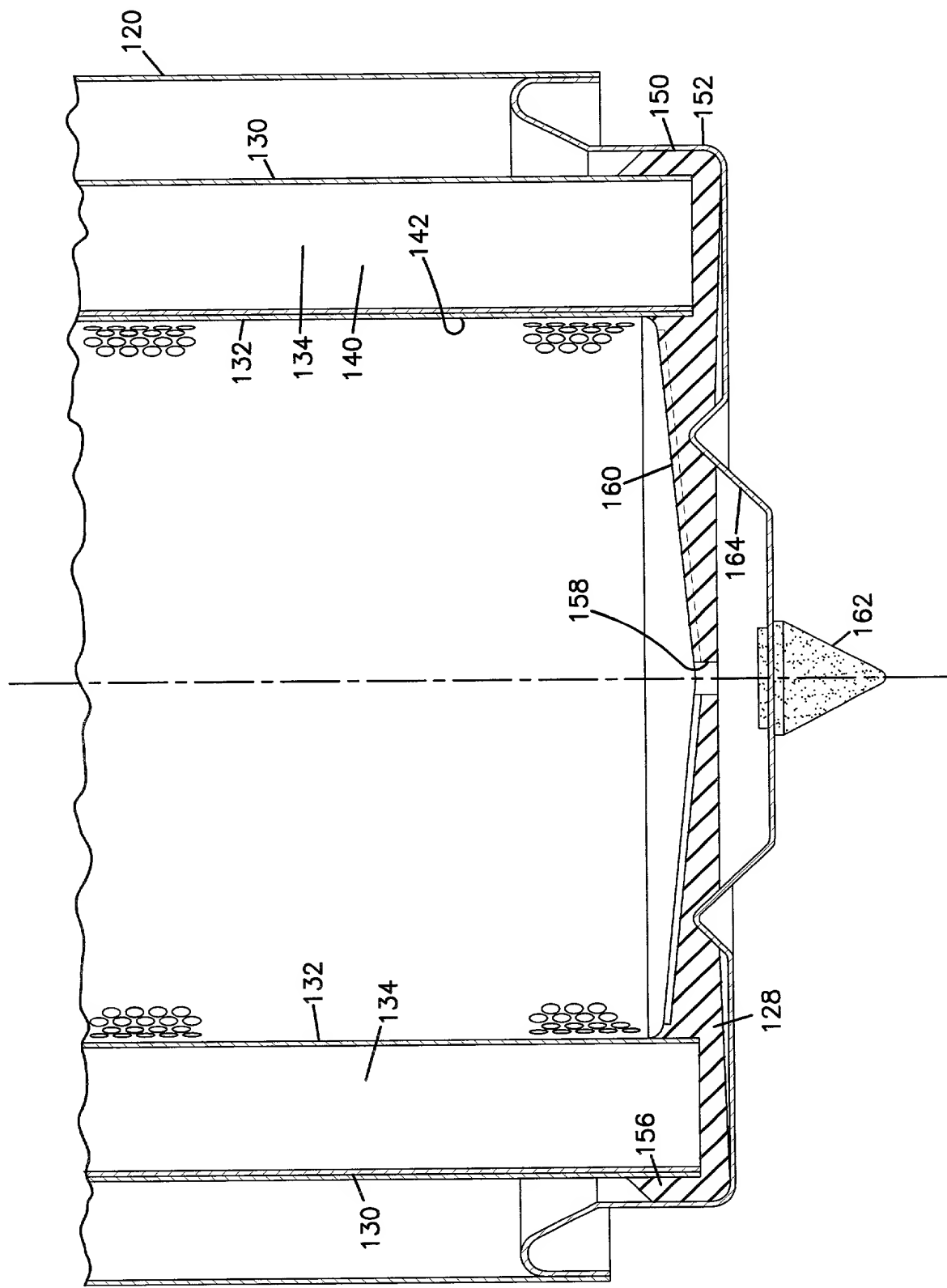


FIG. 28

FIG.29

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FIG. 30

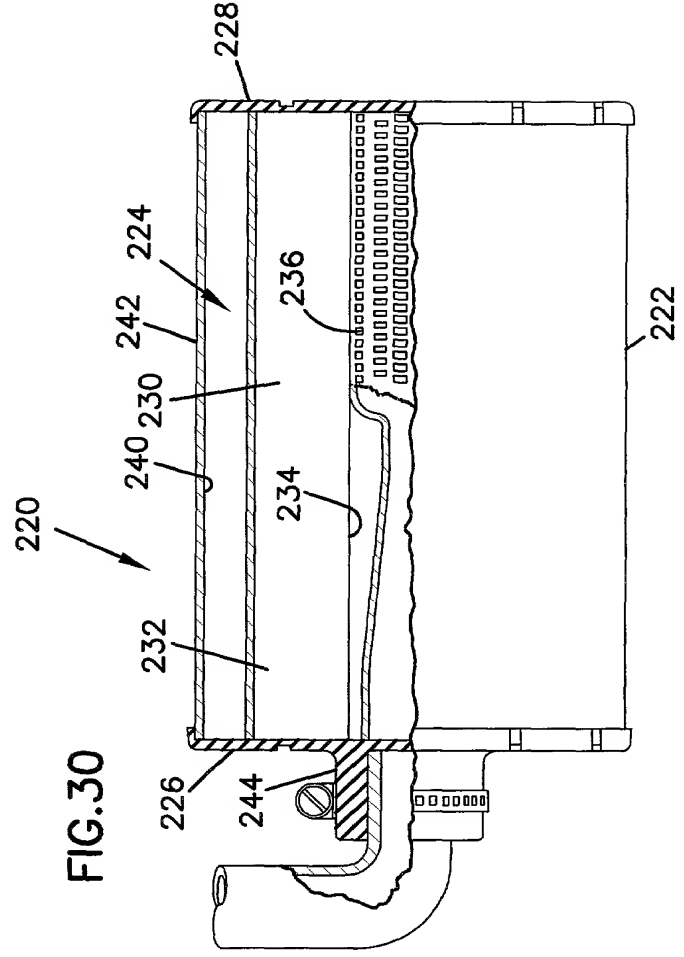
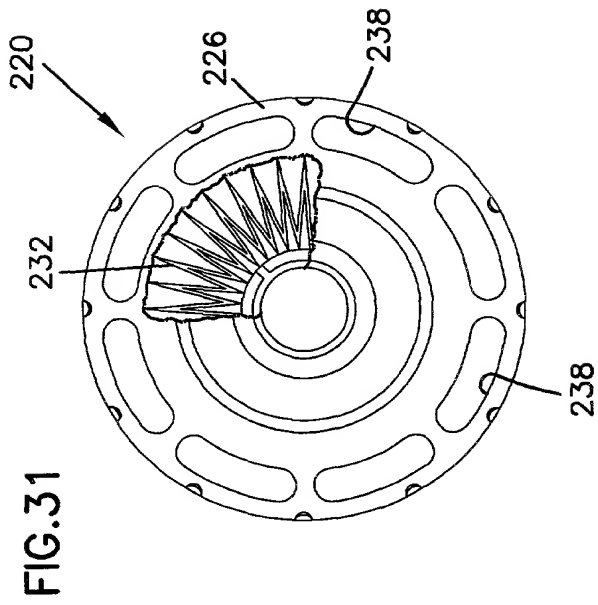
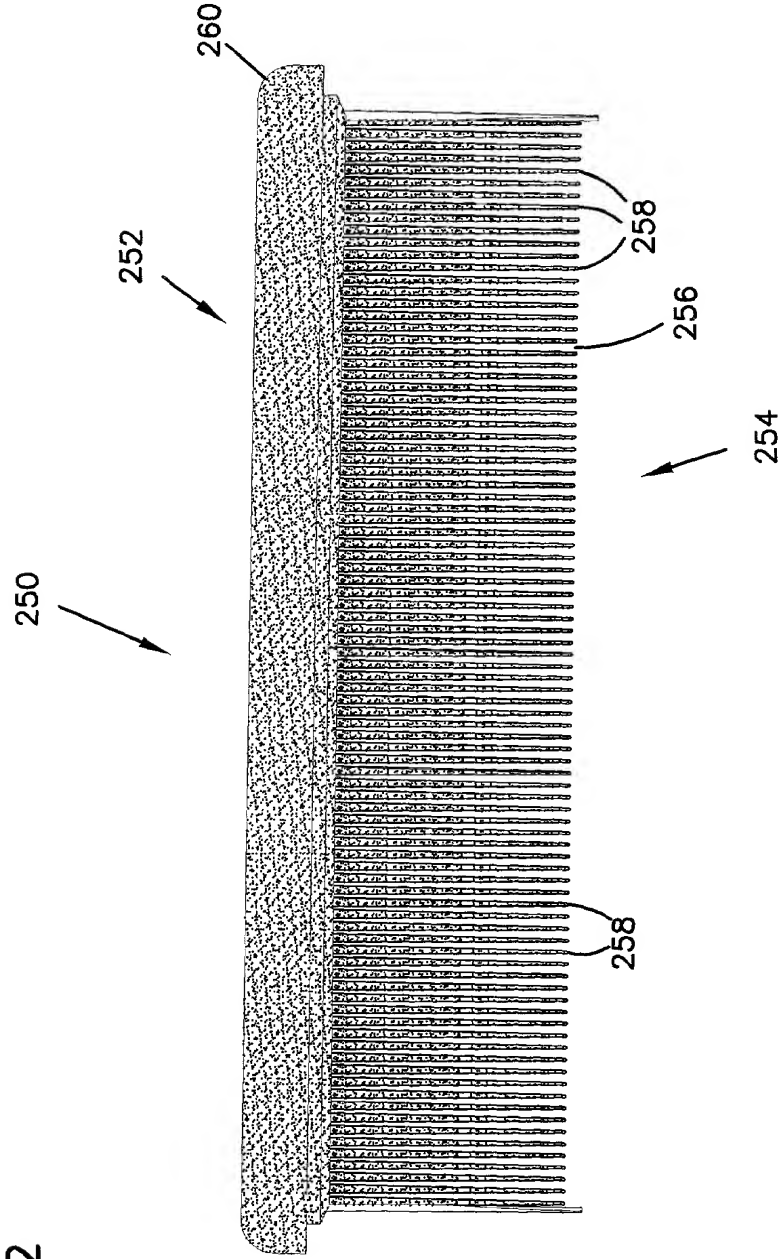


FIG. 32

FIG. 32



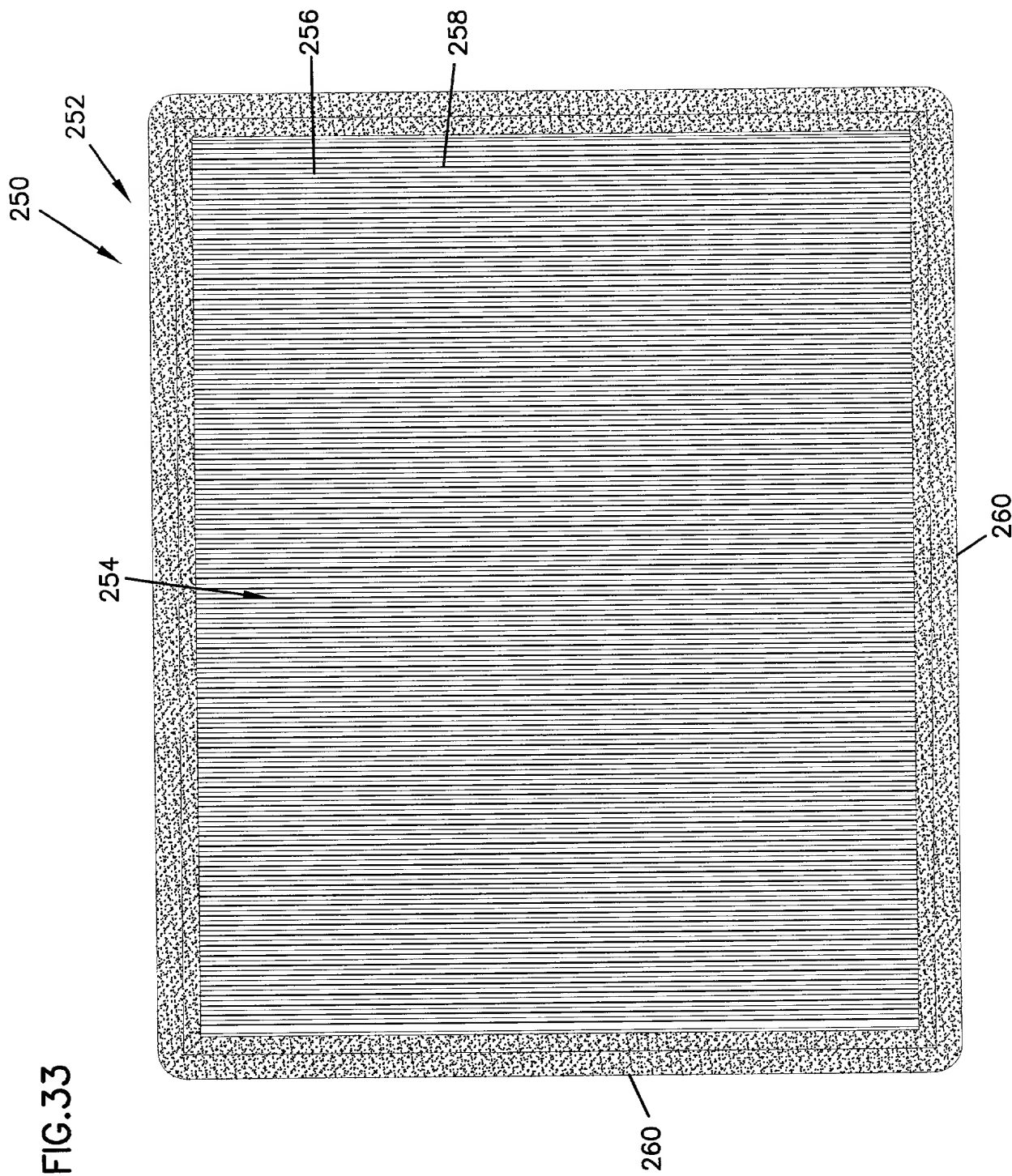
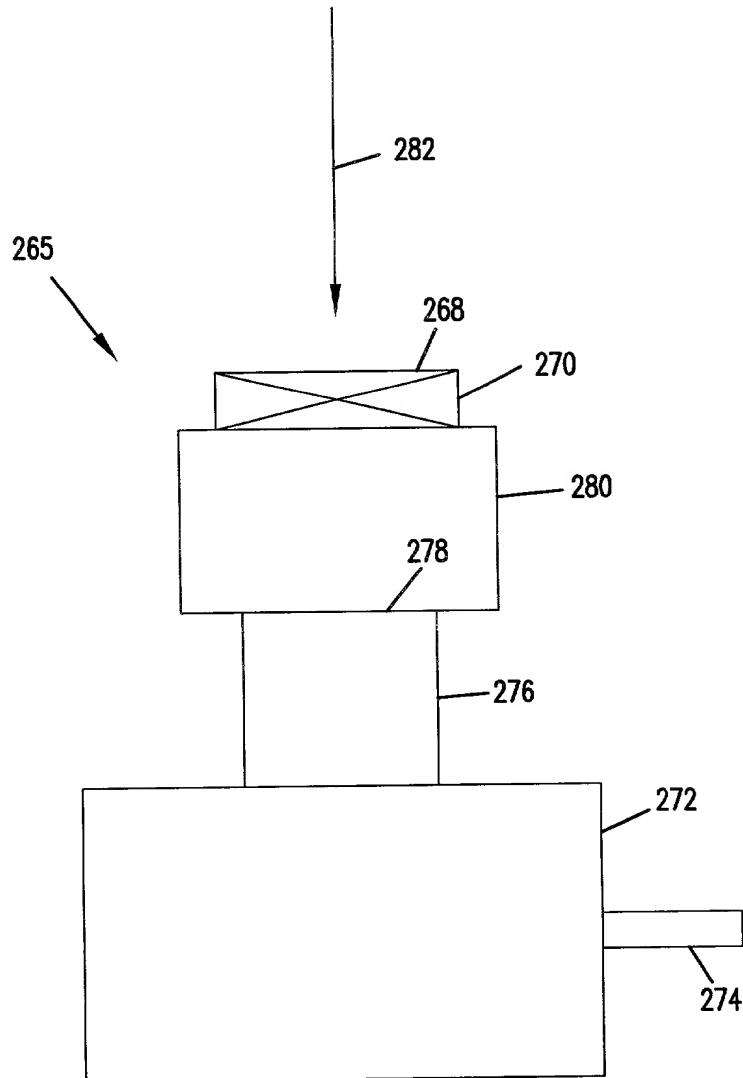


FIG.34



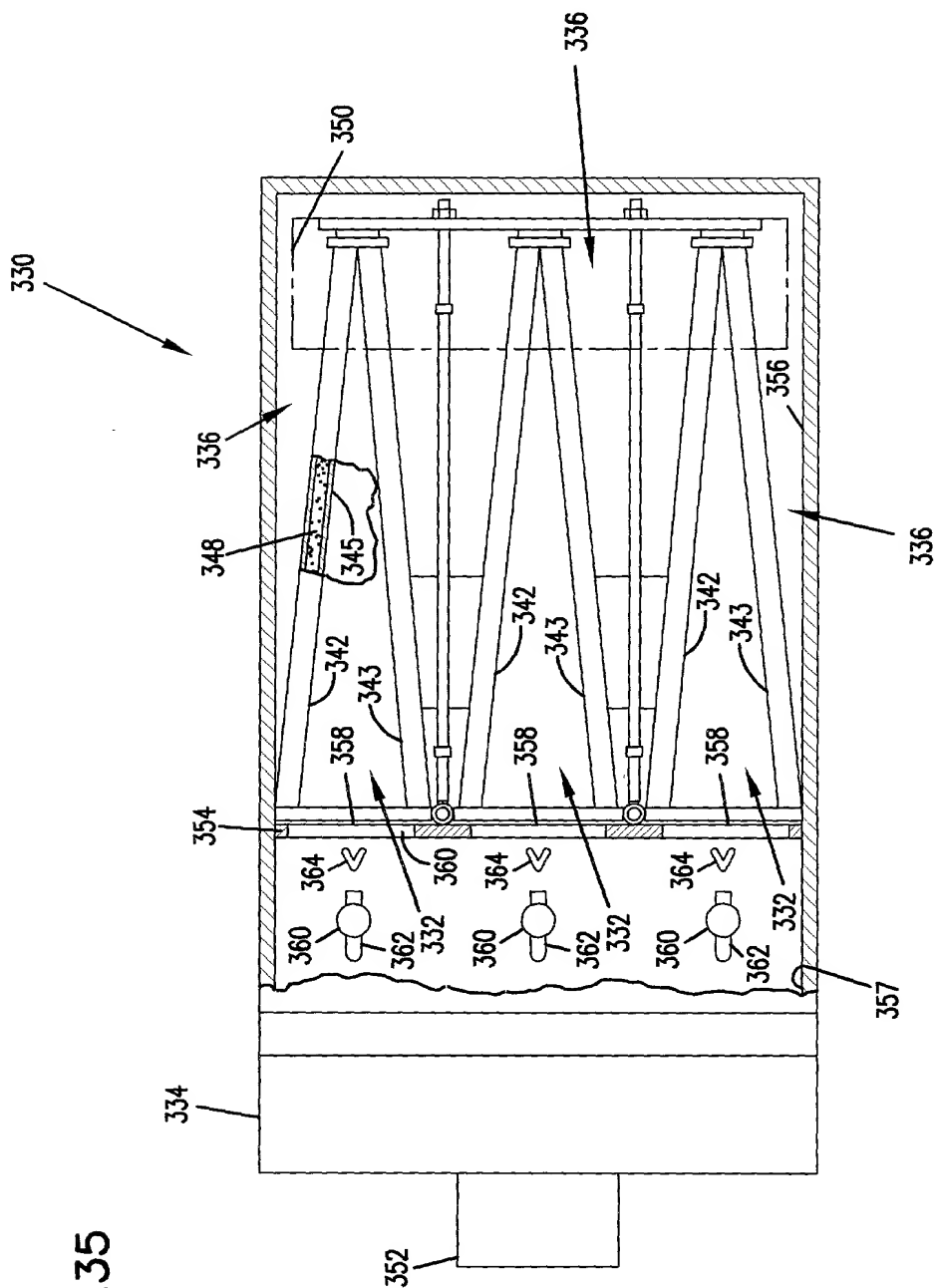


FIG. 35

FIG. 35

FIG.36

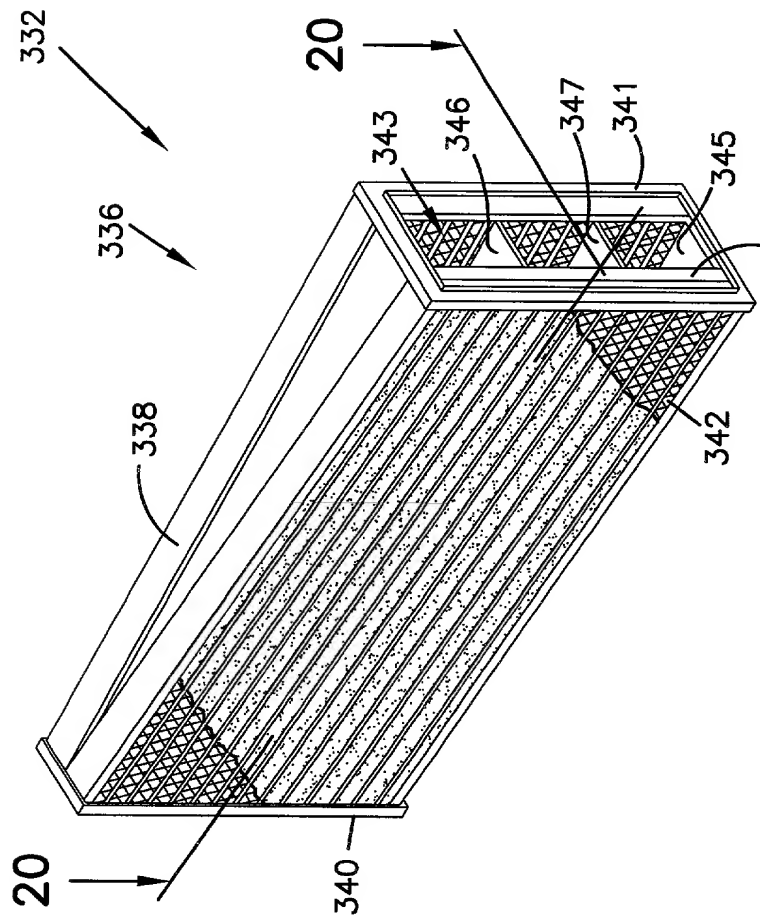


FIG.37

